

APHIS List of Regulated Hosts and Plants Associated with *Phytophthora ramorum*

(Revision dated February 3, 2006) This list is constantly being updated.
The most current version is posted at: <http://www.aphis.usda.gov/ppq/ispn/pramorum>

Proven Hosts Regulated for *Phytophthora ramorum*

Scientific Name (41)	Common Name(s)	Notes
<i>Acer macrophyllum</i>	Bigleaf maple	
<i>Adiantum aleuticum</i>	Western maidenhair fern	Koch's postulates done
<i>Adiantum jordanii</i>	California maidenhair fern	Koch's postulates done
<i>Aesculus californica</i>	California buckeye	
<i>Arbutus menziesii</i>	Madrone	
<i>Arctostaphylos manzanita</i>	Manzanita	
<i>Calluna vulgaris</i>	Scotch heather	
<i>Camellia spp.</i>	Camellia - all species, hybrids and cultivars	
<i>Castanea sativa</i>	Sweet chestnut	
<i>Frangula californica</i> (= <i>Rhamnus californica</i>)	California coffeeberry	Name updated
<i>Frangula purshiana</i> (= <i>Rhamnus purshiana</i>)	Cascara	Name updated and Koch's postulates done
<i>Fraxinus excelsior</i>	European ash	
<i>Griselinia littoralis</i>	Griselinia	
<i>Hamamelis virginiana</i>	Witch hazel	
<i>Heteromeles arbutifolia</i>	Toyon	
<i>Lithocarpus densiflorus</i>	Tanoak	
<i>Lonicera hispidula</i>	California honeysuckle	
<i>Maianthemum racemosum</i> (= <i>Smilacina racemosa</i>)	False Solomon's seal	Entry refined for consistency
<i>Parrotia persica</i>	Persian ironwood	
<i>Photinia fraseri</i>	Red tip photinia	
<i>Pieris floribunda</i> and <i>Pieris floribunda x japonica</i> & all hybrids of <i>P. floribunda</i>	Mountain Andromeda	Entry refined to clarify what is regulated
<i>Pieris formosa</i> and <i>P. formosa x japonica</i> & all hybrids of <i>P. formosa</i>	Himalaya Andromeda	Entry refined to clarify what is regulated
<i>Pieris japonica</i> & all hybrids of <i>P. japonica</i>	Japanese Pieris	Entry refined to clarify what is regulated
<i>Pseudotsuga menziesii</i> var.	Douglas fir	

<i>menziesii</i> & all nursery grown <i>P. menziesii</i>		
<i>Quercus agrifolia</i>	Coast live oak	
<i>Quercus chrysolepis</i>	Canyon live oak	
<i>Quercus falcata</i>	Southern red oak	
<i>Quercus ilex</i>	Holm oak	
<i>Quercus kelloggii</i>	California black oak	
<i>Quercus parvula</i> var. <i>shrevei</i> & all nursery grown <i>Q. parvula</i>	Shreve's oak	
<i>Rhododendron</i> spp.	Rhododendron (including azalea) – all species, hybrids and cultivars	
<i>Rosa gymnocarpa</i>	Wood rose	
<i>Sequoia sempervirens</i>	Coast redwood	
<i>Syringa vulgaris</i>	Lilac	
<i>Taxus baccata</i>	European yew	
<i>Trientalis latifolia</i>	Western starflower	
<i>Umbellularia californica</i>	California bay laurel, pepperwood, Oregon myrtle	
<i>Vaccinium ovatum</i>	Evergreen huckleberry	
<i>Viburnum x bodnantense</i>	Bodnant Viburnum	
<i>Viburnum plicatum</i>	Doublefile Viburnum	
<i>Viburnum tinus</i>	Laurustinus	

Plants Associated with *Phytophthora ramorum*

(These are regulated only as nursery stock)

Scientific Name (56)	Common Name, Date & Source of Report	Notes
<i>Abies concolor</i>	White fir – Oct 05 (1)	
<i>Abies grandis</i>	Grand fir – June 03 (1)	
<i>Abies magnifica</i>	Red fir – Jan 06 (7)	New listing
<i>Acer davidii</i>	Striped bark maple – Jan 06 (9)	New listing
<i>Acer laevigatum</i>	Evergreen Maple – Aug 05 (3)	
<i>Acer pseudoplatanus</i>	Planetree maple – April 05 (3)	
<i>Aesculus hippocastanum</i>	Horse chestnut – Dec 03 (3)	
<i>Arbutus unedo</i>	Strawberry tree – Dec 02 (7)	
<i>Ardisia japonica</i>	Ardisia – Jan 06 (9)	New listing (and family)

<i>Calycanthus occidentalis</i>	Spicebush – May 05 (5)	
<i>Clintonia andrewsiana</i>	Andrew's clintonia bead lily – May 04 (5)	
<i>Corylus cornuta</i>	California hazelnut – Dec 02 (5)	
<i>Drimys winteri</i>	Winter's bark – July 04 (3)	
<i>Dryopteris arguta</i>	California wood fern – May 04 (5)	
<i>Euonymus kiautschovicus</i>	Spreading euonymus – Jan 06 (9)	New listing (and family)
<i>Fagus sylvatica</i>	European beech – Dec 03 (3)	
<i>Fraxinus latifolia</i>	Oregon ash – Aug 05 (5)	
<i>Gaultheria shallon</i>	Salal, Oregon wintergreen – Jan 06 (9)	New listing, new genus
<i>Hamamelis x intermedia</i> (<i>H. mollis</i> & <i>H. japonica</i>)	Hybrid witchhazel – Jan 06 (9)	New listing
<i>Hamamelis mollis</i>	Chinese witchhazel – Jan 05 (3)	
<i>Kalmia latifolia</i>	Mountain laurel – Fall 02 (3)	
<i>Laurus nobilis</i>	Bay laurel – July 04 (3)	
<i>Leucothoe axillaris</i>	Fetterbush, dog hobble – Jan 06 (9)	New listing
<i>Leucothoe fontanesiana</i>	Drooping leucothoe - Oct 03 (3)	
<i>Magnolia grandiflora</i>	Southern magnolia – Jan 06 (9)	New listing
<i>Magnolia stellata</i>	Star magnolia – Jan 05 (3)	
<i>Magnolia x loebneri</i>	Loebner magnolia – Jan 05 (3)	
<i>Magnolia x soulangeana</i>	Saucer magnolia – Jan 05 (3)	
<i>Michelia doltsopa</i>	Michelia – Aug 05 (3)	
<i>Michelia maudiae</i>	Michelia – Jan 06 (9)	New listing
<i>Michelia wilsonii</i>	Michelia – Jan 06 (9)	New listing
<i>Nothofagus obliqua</i>	Roble beech – Dec 04 (3)	
<i>Osmorhiza berteroii</i>	Sweet Cicely – Aug 05 (5)	
<i>Osmanthus decorus</i> (= <i>Phillyrea decora</i> ; = <i>P. vilmoriniana</i>)	Osmanthus – Jan 06 (9)	New listing, new genus
<i>Pittosporum undulatum</i>	Victorian box – Dec 02 (6)	
<i>Prunus lusitanica</i>	Portuguese laurel cherry – Jan 06 (9)	New listing, new genus
<i>Pyracantha koidzumii</i>	Formosa firethorn – Apr 04 (9)	
<i>Quercus cerris</i>	European turkey oak - Feb 04	

	(3)	
<i>Quercus petraea</i>	Sessile oak – Aug 05 (3)	
<i>Quercus rubra</i>	Northern red oak – Nov 03 (8)	
<i>Rosa rugosa</i>	Rugosa rose – Jan 06 (9)	New listing
<i>Rubus spectabilis</i>	Salmonberry – Dec 02 (4)	
<i>Salix caprea</i>	Goat willow – July 04 (3)	
<i>Taxus brevifolia</i>	Pacific yew – May 03 (5)	
<i>Taxus x media</i>	Yew – June 05 (8)	
<i>Torreya californica</i>	California nutmeg – Aug 05 (5)	
<i>Toxicodendron diversilobum</i>	Poison oak – Dec 02 (4)	
<i>Vancouveria planipetala</i>	Redwood ivy – Aug 05 (5)	
<i>Viburnum davidii</i>	David Viburnum - Oct 03 (3)	
<i>Viburnum farreri</i> (=V. <i>fragrans</i>)	Fragrant Viburnum – Oct 03 (3)	
<i>Viburnum lantana</i>	Wayfaringtree Viburnum – Oct 03 (3)	
<i>Viburnum opulus</i> (=V. <i>trilobum</i>)	European cranberrybush Viburnum – Oct 03 (3) American cranberry Viburnum – June 05 (2)	
<i>Viburnum x burkwoodii</i>	Burkwood Viburnum – Oct 03 (3)	
<i>Viburnum x carlcephalum</i> x <i>V. utile</i>	Viburnum – Oct 03 (3)	
<i>Viburnum x pragense</i>	Prague Viburnum – Oct 03 (3)	
<i>Viburnum x rhytidophylloides</i>	Alleghany or Willowood Viburnum – Sept 04 (2)	

¹ California Department of Food and Agriculture, Sacramento, CA

² Oregon Department of Agriculture, Salem, OR

³ Department for Environment, Food, and Rural Affairs, UK

⁴ Everett Hanson, Oregon State University, Corvallis, OR

⁵ David Rizzo, University of California, Davis, CA

⁶ Matteo Garbelotto, University of California, Berkeley, CA

⁷ Gary Chastagner, Washington State University, Puyallup, WA

⁸ Plant Protection Service, Wageningen, Netherlands

⁹ Canadian Food Inspection Agency, Ottawa, Ontario, Canada

¹⁰ (Reserved)

¹¹ (Reserved)

Rationale for Lists:

Host Plants Regulated for *Phytophthora ramorum*:

Host plants are naturally infected associated plants added upon completion, documentation, review and acceptance of traditional Koch's postulates. Details on regulated plants and articles can be found via links to "Phytophthora ramorum 7 CFR 301.92" and "Recent Modifications to Phytophthora ramorum Regulations" at:

<http://www.aphis.usda.gov/ppq/ispm/pramorum>

The plants listed in the original Interim Rule dated February 14, 2002, were adapted from a review and evaluation of lists of regulated plants from other regulatory agencies.

Plants Associated with *Phytophthora ramorum*:

Associated plants are those reported found naturally infected and from which *P. ramorum* has been cultured and/or detected using PCR (Polymerase Chain Reaction). For each of these, traditional Koch's postulates have not yet been completed or documented and reviewed. These reports must be documented and reviewed by PPQ before they will be listed.

Regulation at the genus level:

For either list, a listed plant may be revised to regulate at the genus level to ensure appropriate and effective inspection in quarantine areas, regulated nurseries, and regulated articles to mitigate the spread of *P. ramorum*. An example is when the number of individual species, hybrids, or cultivars listed or to be listed is determined to prevent appropriate and effective inspection or regulation.

Agency Contact: Jonathan Jones (301)734-8247 jmjones@aphis.usda.gov